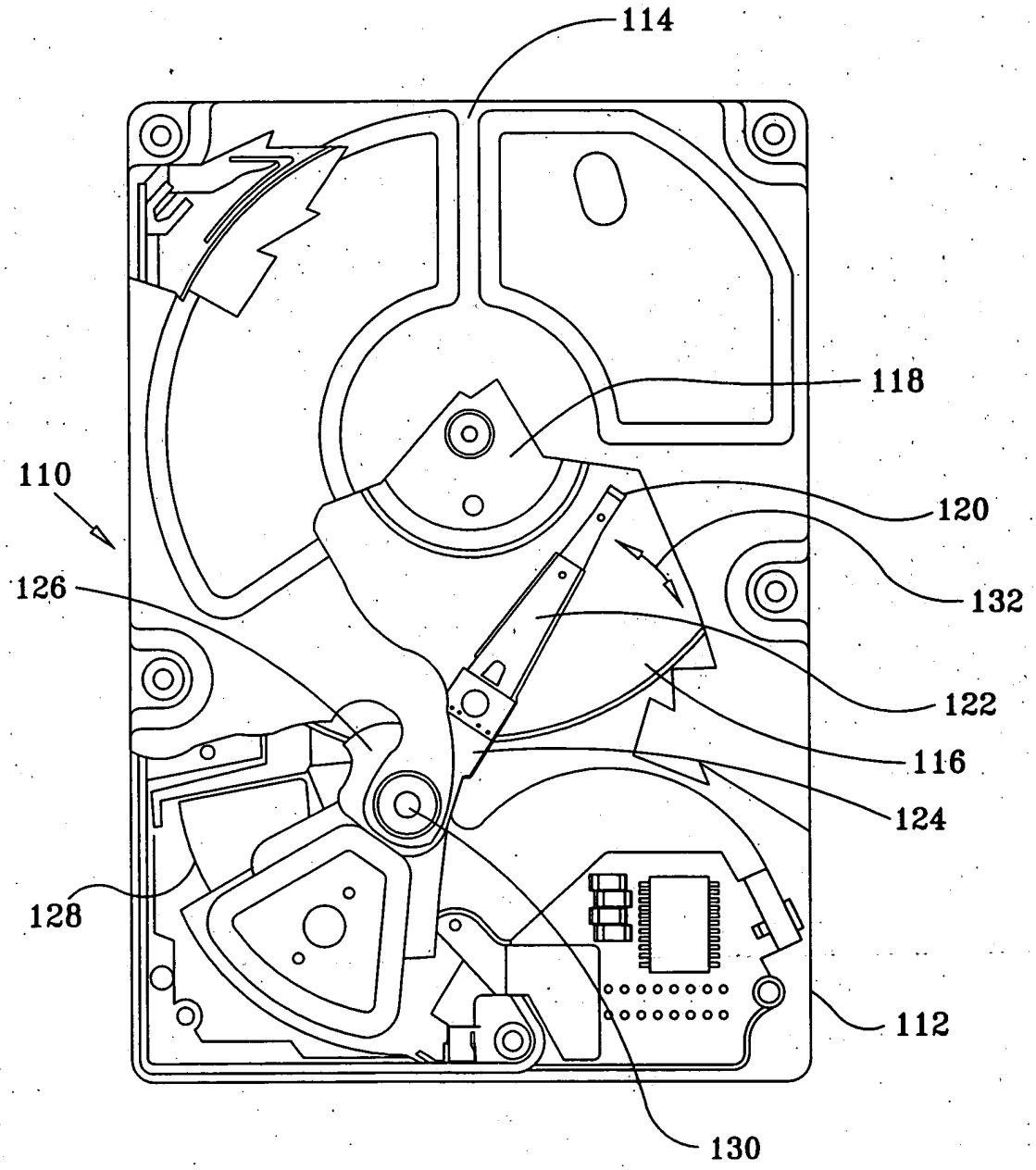


FIG. 1

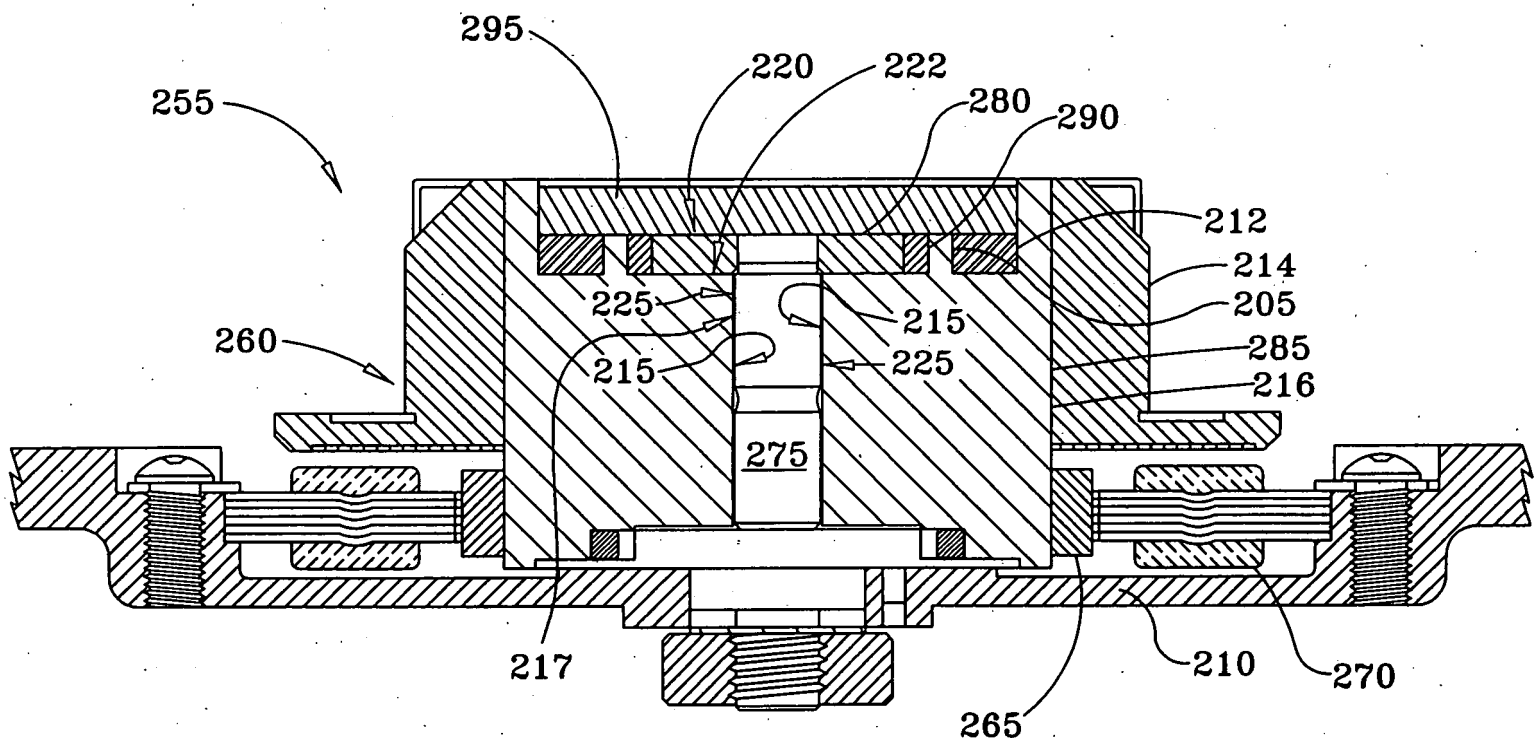

295
220
222
280
290
255
212
214
205
225
215
260
285
215
225
216
275
217
265
210
270

FIG. 2

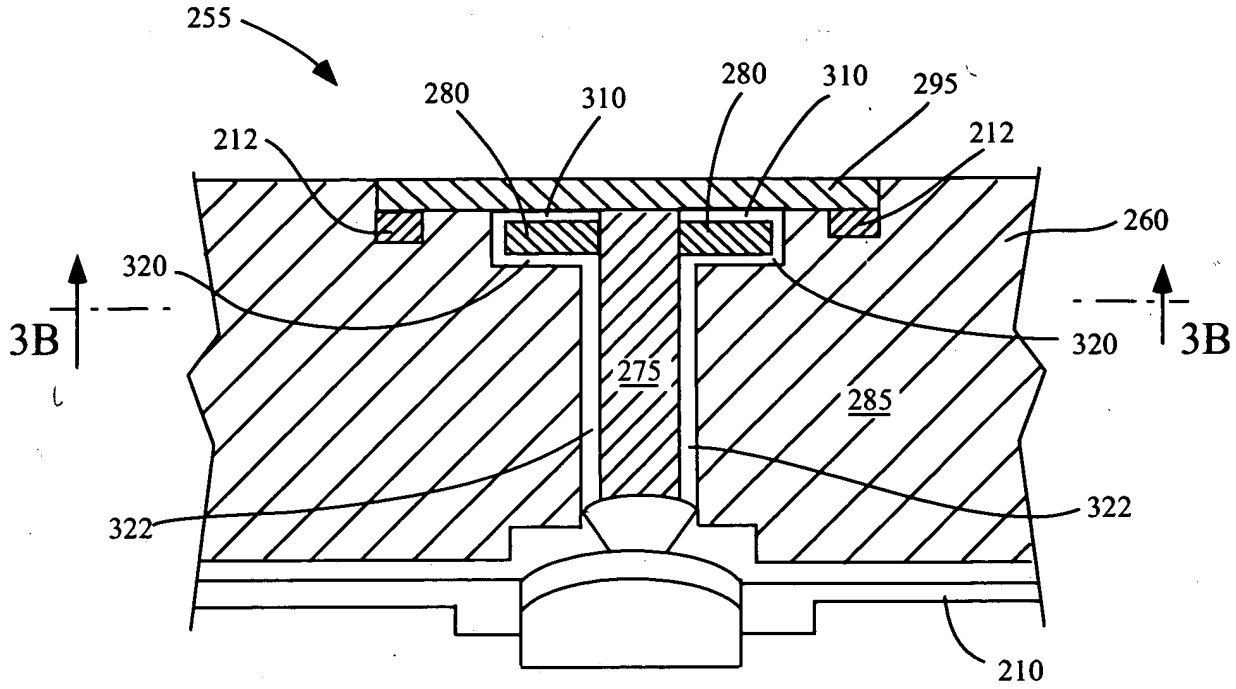

255
280
310
280
310
295
212
212
260
320
320
3B
3B
275
285
322
322
210

Fig. 3A

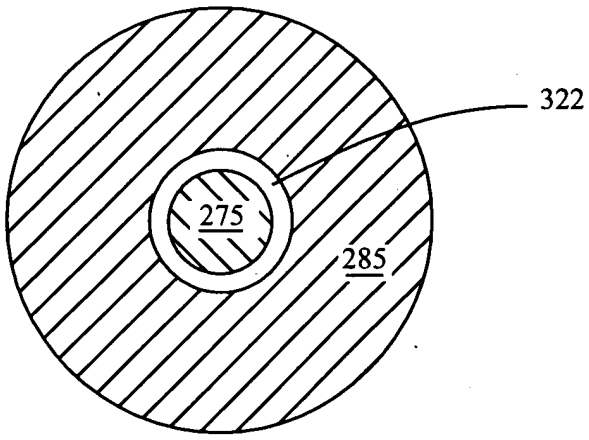

322
275
285

Fig. 3B

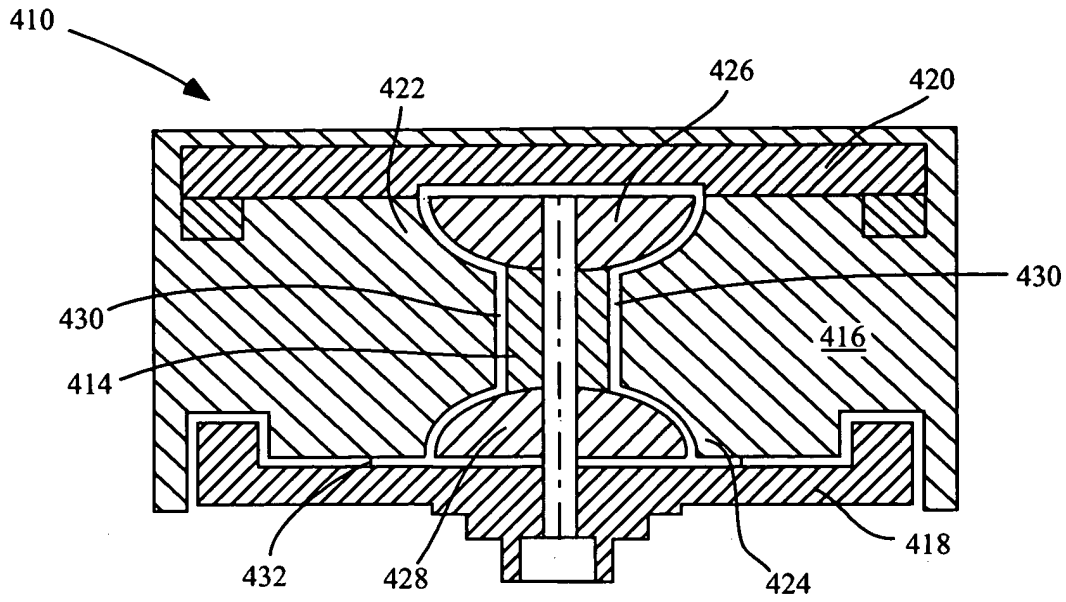

410
422
426
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430
430
416
414
418
432
428
424

Fig. 4A

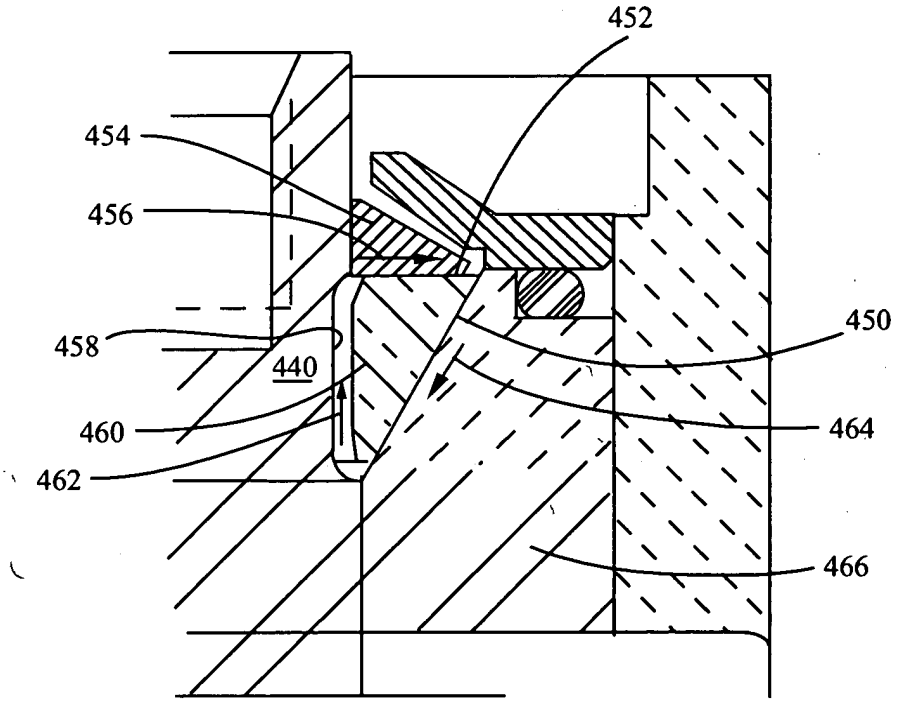

452
454
456
458
440
450
460
464
462
466

Fig. 4B

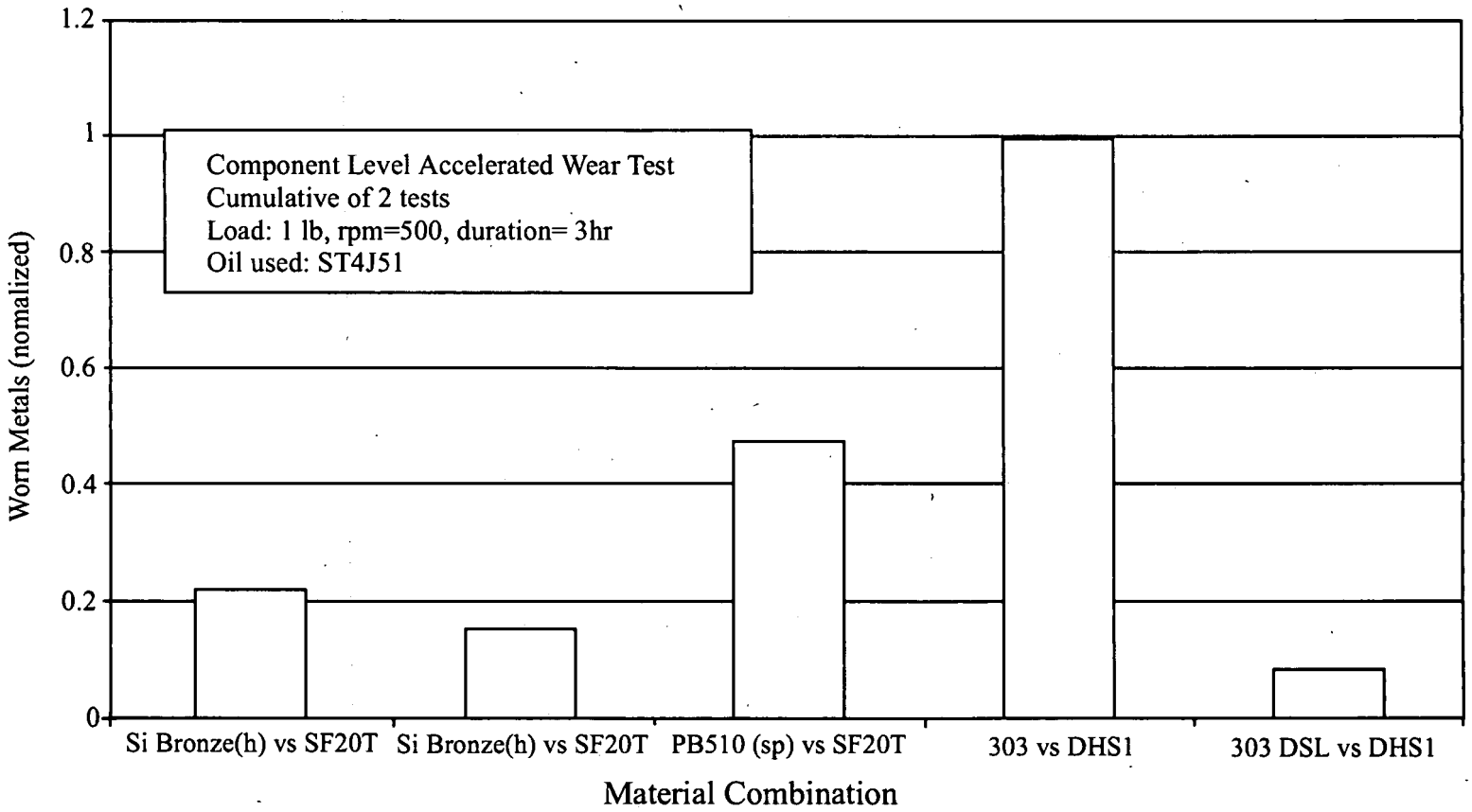

1.2
1
0.8
0.6
0.4
0.2
0
Worn Metals (nomalized)
Component Level Accelerated Wear Test
Cumulative of 2 tests
Load: 1 lb, rpm=500, duration= 3hr
Oil used: ST4J51
Si Bronze(h) vs SF20T
Si Bronze(h) vs SF20T
PB510 (sp) vs SF20T
303 vs DHS1
303 DSL vs DHS1
Material Combination

Fig. 5